

Mission eco NEXT

Communicating Science for Next Generation of Eco Intelligence & Regenerative Ecological Futures

Igniting Next Generation of Eco-Intelligence for Regenerative Ecological Futures

Projects & activities are supported in order to -

- Innovate, informalize and spread the messages of science with common man, scientists and future scientists
- Coordinate and support need specific field mobilization programmes for spreading and enhancing the reach and impact of messages
- Aid people to embark upon new modes of action by helping a re-invention of more resourceful & scientific mindset, capacity to think, decide & innovate
- Assessing the needs and evaluating the impact of science communication programmes in the subject areas

The physical & financial progress and technical content is closely monitored. Online submissions of pdf files of Quarterly Progress Reports and finally the Project Completion Report (also in a hard copy) are required in the prescribed formats. NCSTC and its nominated experts mentor the implementation. On-site reviews/Group Reviews/Evaluations of Final Outcome are invoked with annual, interim/need based & end line periodicity. Satisfactory utilization of funds for the approved purposes, delivery against objectives (original/modified) and compliance to the terms & conditions of grant-in-aid, & release of next instalment of grant are interlinked. *Guidelines & format are available under NCSTC section of DST website.*

‘eco NEXT’ Mission Initiatives focus upon the components as detailed under Annexes (I-IV) hereafter :

PROJECTS AND ACTIVITIES

CALL FOR PROJECT INITIATIVE PROPOSALS

**Studio
Eco NEXT**

E³ Labs :
*Eco Media-
Eco Design-
Eco Innovation*



**Eco Eureka
Trainings-Eco
Smart Schools
Water Clinics
Jal Chaupals**

ECO ROUTES
*Eco Talent Hunts
& Eco Media
Fests*

**Eco RISE
Challenge**

**Young Change
Makers' Charter
of Scientific
Temper &
Ecological Duties**

ECO LEADS
Capacity building
for Youth
Leadership & self
reliance

**Eco NEXT
'CONSULT'**

Mission eco NEXT

'Vigyanen Swachham Sarvada
Vigyanen Haritam Sarvada'

S&T Communication for Eco Cultures, Eco Media, Eco Design, Eco Innovation & Eco Solutions

Vision: Igniting Next Generation of Eco-Intelligence for Regenerative Ecological Futures

Mission: To inspire and nurture the Eco Intelligent Youth & Young Change Makers

Focus: Capacity, Competence Building Initiatives for Youth Engagement Trainings, Engagement, Site Specific Communication Resource Creation, and Change Making by Youth is in focus. The goal is to raise a dedicated & skilled cadre of youth equipped through *S&T Communication for Eco Cultures, Eco Media, Eco Design, Eco Innovation & Eco Solutions*, for building regenerative ecological futures through a ***next generation of eco-intelligence, informed choices and decision making***, and also support *National Youth Policy, Skilled India & Swachh Bharat* missions.

The forthcoming phases of programme would focus upon initiatives in building real-time understanding of nature & its ecosystems, responsiveness, eco-design & eco-media literacy for promoting integrated efforts. The programme supports a direct and purposeful communicative paradigm, as *Science Media & Eco Innovative/Creative Youth leadership*.

Capacity Building Methodology should be highly interactive and to include case studies, critical inputs, presentations, focussed group discussions, science debates, FAQs, hands-on approach, individual & group assignments, Master Classes, presentations & feedback, Questionnaire/ quiz, field notes, plans for post training Field Initiatives, etc. The criteria for selection of participants for the Trainings should be proposed, inclusive of their track of educating & inspiring the people, innovation mindset, scientific temper and positive ecological outlook.

Mission Components: The project initiatives are invited through out the year under the following Mission Components, detailed hereafter:

- Eco Routes,
- Eco Leads, &
- Eco Rise Challenge in S&T Communication
- Additionally, proposals of strategic importance like government priorities, less endowed regions, science & technology communication research, and resource development shall also be supported.

I. ECO ROUTES

Multi-locational clusters of **sub-regional initiatives** aimed at spurring pilot sub-regional missions, have a trail & road map dotted with **representative** ecological hotspots which are **less endowed or under stress**, yet eco-culturally rich. An indicative map is ever evolving for future eco-travels with youth, aiming at regional/eco-regional resource creation & short term orientation of promising young change makers, especially from science & media for serving diverse priority categories of target groups like Media & Theatre students, Tribal population, Youth (Students/ NSS volunteers, village youth), and/or for themes suitable to different eco-regions. **Ideas and concepts are invited for expanding this initiative & developing the map further.**

I (a) **Eco NEXT 'CONSULT'**, also an NCSTC coordinated initiative, in addition to being project mode activities, the Eco Rise Challenge Round Table Consultation Workshops (1-2 days) are meant for *Technical Assistance and Capacity Building, Sharing Experiences, Tools and Methodologies of effective handling of Eco Rise Challenges*. Representations from diverse sections of stakeholders shall share Experiences, Tools and Methodologies and synthesize innovative world views, while synergizing capacities and experiences especially under the following critical domains of field action and capacity of action groups –

- Needs assessment
- Planning and design
- Implementation
- Monitoring and evaluation
- Social Innovation
- Dialogue and Hand-holding for Eco-social support & Innovation

Suggested Stakeholders: Media, CSR, Banking/Investment/Venture Capital Managers, Not for Profit organizations, Educational and Technical Institutions, District Administration, PRIs, Influencers/Eco Next Persons, etc. chosen based on their experience in fostering cross-sector collaborations, and developing common languages and approaches for addressing complex community issues along with development of youth leadership.

I (b) **'Eco NEXT Talent Hunts' & 'Eco Media Fests'**, have been conceptualized to leverage the Eco NEXT messages with youth exuberance and potential as multi-locational sub-regional initiatives. There shall be competitive events in following categories –

- i) Discovery Science & Eco Exploration
- ii) Eco creativity, Eco-Design & Eco Media
- iii) Eco-innovation

The activities should be designed for Rural & Urban Youth in clusters of 5-10 Districts, to select & promote promising Young Change Makers who can be further shortlisted for Capacity Development Modules or would develop Eco Talent Networks, with in Rs. 25 Lakhs inclusive of appropriate number of Capacity Development Modules. The events may culminate as showcases/fests for Eco Media. Bundi Eco Films Fest has been recently supported at Bundi, the district known for its water Baoris which under severe threats today.

II. ECO LEADS

The Youth Capacity Development & Leadership Initiatives

Central Theme of the Capacity Development Initiatives & up to a min. of 2 Nos of respective post training field initiatives, need to be from the following categories –

Swachham Sarvada : Science Communication for adoption of schools, rural/urban areas for triggering and sustaining best practices in **Eco-sanitation & Innovation**. Resources: @ Rs. 50,000/- per year (IEC resources, activities, etc.) per field initiative.

Haritam Sarvada : Science Communication for adoption of schools, areas under ecological stress, promotion of **eco-innovative practices** for ever green farming & horticulture, social forestry, aquaculture, etc. Resources: @ Rs. 50,000/- per year (IEC resources, activities, etc.) per field initiative.

Eco Health Clinics: Design, Development and supervision of **Community Science Media & Communication Systems** by youth for **ecosystems health & eco innovation** (especially water clinics). Resources: @ Rs. 50,000/- per year (IEC resources, activities, etc.) for one module

Eco Design & Eco Digital Clinics: Design, Development and supervision of **Eco Design Communication Systems** by trained youth for **Community Science Media & Literacy** by youth and eco-interpretation/eco consultations for **eco-design, eco-digital & eco-innovation skills**. Resources: @ Rs. 50,000/- per year (IEC resources, activities, etc.) for one module

Eco Smart Schools:

- design, development and supervision of **School Science Media & Communication System** by youth
- may be part of the local school system as a modular component with special additional focus, curricular or extracurricular, or both, on the concerned themes & should represent diversity and engagement with Ecological issues as an explicit purpose.
- should involve hands on learning that is inquiry and outcome based and science communication as alternative mode & unique approach to learning
- should provide an environment or experience that would *attract* students and communities from other school zones also, especially from challenged locations
- should help institutionalize and mainstream actionable Eco learning with neighbouring communities (through festivals, events, weekly markets, adoption of sites/action locations, etc.)
- should be able to encourage **Eco Innovation Educators** from teachers and stakeholders across the boundaries
- networking & handholding should be the key deliverables
- *Learning Resources:*@ Rs. 50,000/- per year for one module per school for IEC resources, activities, etc.

II (a) *Studio Eco NEXT*

'Youth Eco Media, Arts, Culture & Interpretations Trainings in Hands-on Science'

Project duration 6 month to 1 yrs for a series of Trainings inclusive of post Trainings assignments, with budget components given below (a)-(f) in addition to budget heads as per DST norms like Project Staff, Overheads, etc., overall with in Rs. 20 Lakhs.

(a) 5 days inclusive of 1 day of Experiential Outdoor, for Site Specific Hands-on Studio Trainings for Science Communication Products/ Resource Creation, up to 20 trainees per batch up to @ Rs. 3,00,000/- per batch	(b) Site recording tools & digital/ media instruments up to Rs. 75,000/-	© Resource Development on Eco Media Capacity Building up to Rs. 75,000/-	(d) Monitoring, Evaluation, Review, Documentation up to Rs.50,000/	(e) Travel & Contingency up to Rs. 50,000/	(f) Support for Post Training assignments to select number of participants (up to 10%) as Eco Creatives/ Eco Media Associates with a token stipend @ 5000/- pm. (3 months) based on evaluation by implementing organization & review/ technical vetting by NCSTC
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Methodology, Work Plan & Core Content Modules

Methodology & Work Plan should follow a Youth centric, eco-regional/ eco-habitat & heritage, culture & science based approach to understand & interpret ecological issues for promoting communities engagement, community leadership & professional development of youth. Capacity & competence may be promoted in Interpretive Science Communication & Natural Heritage Science Communication & eco-creations. *Proposals should provide focused methodology & work plan* giving criteria for selection of participants, feedback & impact assessment, and *day-wise details of sessions/activities linked with respective resources/resource persons on the following core modules :*

<i>Module #1</i>	<i>Module #2</i>	<i>Module #3</i>	<i>Module #4</i>	<i>Module #5</i>	<i>Module #6</i>
Assessment: Eco-sight & outlook, reasoning, aptitude and attitudes of the trainees, aptitude for print, electronic & ICT including technology like GIS & GPS, mixed media, new media, etc.	Orientation with basic eco-concepts: Eco-systems & Sustainability, Climate Change, Biodiversity, Natural/ renewable resources,	Site recording, design & development of science communication/eco-media products: Surveys, ecological landscapes & profiles, eco-	Field Eco Lab/Trails & Eco cultural & media Interpretation	Learning Resource Enrichment (based on outcomes in Eco Media, Arts & Cultural Capacity Building)	"Youth Portfolio" by participants as per NCSTC framework

	Spatial & Temporal Attributes of eco sources, Health of ecosystems, Eco-degradation & restoration, Eco-Innovation & Technologies especially with eco-digital skills, Eco-performance, Ecological Values & Charter for Young Change makers on Scientific Temper & Ecological duties	interpretation, narrative & artistic creations, documentation, photo/videography, mapping, GPS assisted mapping, eco-digital skills, etc.			
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II(b) *Eco Eureka*

'Youth Engagement trainings for Nature, Labs & Youth Connections for Eco-innovation & community leadership'

Project duration 6 month to 1 yrs, with budget components given below (a)-(f) in addition to budget heads as per DST norms like Project Staff, Overheads, etc., overall with in Rs. 20 Lakhs.

(a) 5 days of Youth Engagement for Nature, Labs & Youth Connections for Eco-innovation & community leadership including experiential camping of 1 day, up to 25 trainees per batch, up to Rs. 2.5 lakh per Training	(b) Hands-on-science instruments & accessories up to Rs. 75,000/-	© Resource Enrichment based on outcomes for Capacity Building (Rs. 50,000/-)	(d) Monitoring, Evaluation, Review, Documentation up to Rs.50,000/	(e) Travel & Contingency up to Rs. 50,000/	(f) Post Training assignment, may be supported to select number of participants (up to 10%) as Eco Eureka Fellows, with a token stipend @ 5000/- pm. (3 months) based on evaluation by implementing organization & review/technical vetting by NCSTC
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Methodology, Work Plan & Core Content Modules

Methodology & Work plan should address- Exposure, eco-interpretation & experiential action learning module for Nature- lab- Youth connections for *Eco –innovation & community leadership*. *Proposals should provide focussed methodology & work plan* giving criteria for selection of participants, feedback & impact assessment, and *day- wise details of sessions/activities linked with respective resources/resource persons on the following core modules (but not limited to the same):*

<i>Module #1</i>	<i>Module #2</i>	<i>Module #3</i>	<i>Module #4</i>	<i>Module #5</i>	<i>Module #6</i>
<p>Assessment: Eco-sight & outlook, reasoning, aptitude and attitudes of the trainees</p> <p>Ecological Values & Charter for Young Change makers on Scientific Temper & Ecological duties</p>	<p>Orientation with basic eco-concepts:</p> <ul style="list-style-type: none"> • Nature, Labs & Youth Connections • Science, nature conservation and Eco restoration • Nature based solutions, co- creation & eco- innovation • Eco-habitat, Eco Health, Eco- sanitation, WaSH, & Renewable Resources for sustainable futures 	<p>Eco Exploration for Evidence:</p> <p>Photo/ video documentation of evidence, mapping, GPS assisted mapping, ecological landscapes & profiles, eco-digital skills, eco-interpretation etc. Documentation, Communication, Education & public awareness, Impact & Outcome mapping.</p>	<p>Eco Exploration for Evidence:</p> <p>Hands-on, Lab & outdoor assignments</p> <p>Field Eco Lab/Exploratory Trails in Eco cultural Interpretation</p>	<p>Learning Resource Enrichment for Capacity Building</p>	<p>“Youth Portfolio” by participants as per NCSTC framework</p>

II (c) *E³ Labs*

Training of Trainers in Eco Media, Eco Design & Eco Innovation centric science Communication: ‘Hands-on-Science Training of Young Educators through engagement with evidence based S&T Media, Design, Digital & Innovation Media, especially for Trainers like Eco Media Educators, Eco Creatives, Eco Educators, & also the Young Change Makers & exchange of eco-learning, by means of igniting youth leadership and organizational capacity building.’

Project duration 6 month to 1 yrs for a series of trainings, *with budget components given below (a)-(f) in addition to budget heads as per DST norms like Project Staff, Overheads, etc., overall with in Rs. 25 Lakhs*

(a) 5 Days of motivation, skill & competence building, up to 20 participants per batch, up to Rs. 3.50 Lakh per batch	(b) Hands-on-science instruments, training kits & accessories up to Rs. 100,000/-	© Resource Enrichment for Capacity Building based on outcomes (Rs. 75,000/-)	(d) Monitoring, Evaluation, Review, Documentation up to Rs.50,000/	(e) Travel & Contingency up to Rs. 50,000/	(f) A select no. of successful participants (20%) to be supported as Eco Media Educators/Eco Educators or Young Community Advisors for their Field Initiatives (Post Trainings, with a token honorarium/stipend @ Rs. 5,000/- for in-service & Rs. 10,000/- p.m. X 6 months for not in service participants, based on evaluation by implementing organization & review/technical vetting by NCSTC.
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Methodology, Work Plan & Core Content Modules

Methodology & Work plan should address *youth engagement with evidence based S&T Media for Eco Innovation & Performance for exchange of eco-learning, by means of igniting youth leadership and organizational capacity building. Proposals should provide **focussed methodology & work plan** giving criteria for selection of participants, feedback & impact assessment, and day to day schedule of capacity development activities linked with respective resource persons may be proposed based on the NCSTC core curriculum given below. Criteria for selection of participants should also be proposed inclusive of their continuing track of empowering, educating & inspiring the people, innovation mindset, scientific temper and positive ecological outlook.*

		Pre Lunch Session # 1 Tutorials & Quiz	Pre- Lunch Session # 2 Interactive Talks & Quiz	Lunch Hours: Handouts	Post Lunch Sessions # 3 & 4
Core competencies: Communication, Working with People, Drive for Results	1st Day	Multidisciplinary nature of Eco & Sustainability Science Communication (concepts, practices & resource agencies)	COMMUNITY LEARNING & PRACTICES: <ul style="list-style-type: none"> • Ecological Values & Charter for Young Change makers on Scientific Temper & Ecological duties • Role of policy in shaping the Eco landscapes and raising ecological performance • Priority humanitarian needs versus sustaining Eco Systems Services 	<i>Questionnaire / quiz for submission next day</i>	(A) EXPERIENTIAL LEARNING/ ECO-EXPLORATORIES WITH ACTIVITIES LIKE <ul style="list-style-type: none"> • Scenario building, participatory mapping, eco-scaping, Eco cultural & Eco Media Interpretation etc.

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Functional & Experiential Competency</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">2nd/3rd Day</p>	<p>Recap of prev day quest/quiz</p> <p>EXPOSURE & FIELD IMMERSION</p> <ol style="list-style-type: none"> 1) Visits to ecological hotspots 2) Identification of entities working in the <i>Eco & Innovation</i> sphere & networking 3) Developing <i>eco-innovation, design, eco-digital, & media leads</i> for livelihood options, eco-health issues, mitigation & adaptation to ecological risks, etc. 3) Interaction with media 	<p>COMMUNITY LEARNING & PRACTICES:</p> <ul style="list-style-type: none"> • Ecological Values & Charter for Young Change makers on Scientific Temper & Ecological duties • Role of policy in shaping the Eco landscapes and raising ecological performance • Priority humanitarian needs versus sustaining Eco Systems Services 	<p>Field Note for submission next day</p>	<ul style="list-style-type: none"> • Eco-innovation – concepts, designs, prototypes/demo models, field experiments, etc. • Games & role play, design/ calculation workouts, eco-media lead generation & communication • Reflecting on every day learnings, opinion leadership, sharing, co-travelling, counselling, advising, consulting, educating, etc.
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Technical & Functional Competency</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">2nd/3rd Day</p>	<p>Recap of prev day questionnaire/ quiz</p> <p>ECO-SYSTEMS & REGIONAL ECOLOGIES</p> <ul style="list-style-type: none"> • Eco-systems, Eco-Regions & Biodiversity, global warming, etc. • Ecological Risk & Eco Health Assessments, audit & budgeting, Eco-systems services <p>ECO RISK PREPAREDNESS (acute, post-acute, protracted, chronic crises)</p>	<p>ISSUES OF LOCAL IMPORTANCE</p> <ul style="list-style-type: none"> • basic knowledge • problems, management, technology, best practices & innovation options • role of eco-media, eco-digital and other outreach methodologies in promoting eco-innovation & best practices 	<p>Questionnaire /quiz for submission next day</p>	<p>(B) MASTER-CLASSES (2-3 Nos) by scientist/technologist/agriculturist/ persons of excellence in the area, etc.</p>

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Technical & Functional Competency</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">4th Day</p>	<p>Recap of prev day questionnaire/ quiz</p> <p>TOOLS, TECHNIQUES AND ECO-INNOVATIONS</p> <p>Case studies, quality-risk understanding, assessment & reduction: Water, Land and Forest Ecosystems, atmospheric environment, etc.</p>	<p>ISSUES OF LOCAL IMPORTANCE:</p> <ul style="list-style-type: none"> potential innovative solutions for Ecological challenges at the household, community and eco-regional level <p>Consolidation & planning for future</p>	<p>Questionnaire /quiz for submission next day</p>	
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Functional & Experiential Competency</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">5th Day</p>	<p>Recap of prev day questionnaire/ quiz</p> <p>EXPOSURE & FIELD IMMERSION</p> <ol style="list-style-type: none"> 1) Visits to ecological hotspots 2) Identification of entities working in the <i>Eco & Innovation</i> sphere & networking 3) Developing <i>eco-innovation leads</i> for livelihood options, mitigation & adaptation to ecological risks, etc. & compilation of self-learning resources 3) Interaction with media 4) “<i>Youth Portfolio</i>” of the participant 	<p>Field Eco Lab/ Trails in Eco cultural & Eco Media Interpretation</p>	<p>Proposed plans for Field Initiatives</p>	

NOTE: PL REFER ANNEX III (YOUNG CHANGE MAKER’S CHARTER OF SCIENTIFIC TEMPER & ECOLOGICAL DUTIES) AND ANNEX IV (YOUTH PORTFOLIO).

III. ECO RISE CHALLENGE

in S&T Communication

AIM

Effective & purposeful S&T Communication can yield benefits which are transformatory & rooted in productive outcomes. The skills can be harnessed under a challenging context to alter not only behaviour but also the capacity to support community development & lifestyle choices linked to livelihoods, vocations & enterprise. The growth of Eco Next Initiatives of NCSTC has witnessed diverse and transdisciplinary options emerging in these directions.

The initiative aims to demonstrate that any region less endowed in terms of development, natural resource management, vulnerabilities of education, health, livelihood & enterprise, especially the SC/ST population predominant regions, but having strong Eco- cultural assets can rise by gaining assets like human resources especially in form of Young Change Makers who are groomed with S&T Communication skills. These Change Makers would communicate & promote and add assets in turn to the region based on Eco-solutions like Eco Innovation & Design Mind-set, Practices and lifestyle choices especially Eco-enterprises & Eco-Vocations. This should signify the rise of regions' endowments through sustainable use of Eco resources, thereby triggering far reaching resurgence & transformations.

PRIORITY AREAS FOR INTERVENTION

A selection of priority districts based on literacy rate, predominance of less endowed/developed locations &/or eco-sensitive regions, scarce resources for livelihood & agriculture, etc. is given at Annex II. The areas of intervention in the Less Endowed Regions (LERs) in such districts can be proposed along with strong rationale for proposed target area including other indicators of development, even beyond the criteria mentioned above. Single District Initiatives as well as Regional Initiatives (2 or more Districts) shall be supported.

ECO RISE GOALS

The *Eco Rise Goals* have been identified to yield returns in terms of numbers of youth sensitized, young change makers nurtured and eco-solutions propagated. It is hoped to reach LERs in up to 20 districts during 1st year, up to 40 districts during 2nd year and up to 60 districts during the 3rd year of the Eco Rise Challenge. These goals are further quantified as targets for 3 years as follows:

- I) To reach ~ 25 lakhs students from LERs in 60 districts through Eco Next Talent Hunts as detailed in Mission Eco Next Programme brochure on DST website
- II) Promoting 2500 Young Change makers in LERs in 36 states/UTs through S&T Communication based trainings (**Eco Eureka, Eco Next Studio & E³ Labs**) & post-training engagements (as detailed in Mission Eco Next Programme brochure on DST website) to *select numbers of trainees working in groups with 3-4 nos of participants who have successfully completed the trainings (but are not selected for*

stipend supported assignments, but each can also be offered one time honorarium Rs. 5000/-).

- III) Promoting the endowment of 2000 kinds of eco solutions to Eco Innovation & Design and Eco -prise/Eco Vocational Challenges in LERs in 60 districts in first 3 years through post-training engagements of S&T Communication trainees (demonstrations & practices) and community ownership for sustained adoption.
- IV) To receive nominations based on multi-sectoral opinion poll in the challenge areas by project implementing agencies for the “**Person of Eco NEXT Excellence**” who show tireless dedication and influencing capacity for Eco Next Mission Goals, and to identify them for the programme needs based on recommendations of Technical Advisory Committee.
- V) Inducting the identified persons at a convention for a “*Eco Next Hall of Fame*” at national level.
- VI) **Eco Next “Consult”** : Eco Rise Challenge Round Table Consultation Workshops (1-2 days) : *Technical Assistance and Capacity Building, Sharing Experiences, Tools and Methodologies of effective handling of Eco Rise Challenges*

Representations from diverse sections of stakeholders shall share Experiences, Tools and Methodologies and synthesize innovative world views, while synergizing capacities and experiences especially under the following critical domains of field action and capacity of action groups -

- Needs assessment
- Planning and design
- Implementation
- Monitoring and evaluation
- Social Innovation
- Dialogue and Hand-holding for Eco-social support & Innovation

Suggested Stakeholders: Media, CSR, Banking/Investment/Venture Capital Managers, Not for Profit organizations, Educational and Technical Institutions, District Administration, PRIs, Influencers/Eco Next Persons, etc. chosen based on their experience in fostering cross-sector collaborations, and developing common languages and approaches for addressing complex community issues along with development of youth leadership.

HOW TO APPLY:

Project Proposers may refer to NCSTC Guidelines and format of proposal writing given at

<http://www.dst.gov.in/scientific-programmes/st-and-socio-economic-development/national-council-science-technology-communication-ncstc> and also at www.onlinedst.org.in.

The proposals, in addition to regular details per guidelines and format, should essentially build in the following TWO statements :

- A) **Quantified levels of the challenge undertaken versus the districts selected;**

B) The proposed objectives and methodology, both should have the **Project Benefit & Delivery Statement** giving quantified targets clearly described in terms of the following

- the number of youth to be sensitized through Eco Next Talent Hunt
- young change makers to be nurtured through trainings
- number & kind of eco-solutions/eco-enterprises/eco-vocations to be propagated through science & technology communication
- the rationale behind the targets proposed
- know-how and do-how to achieve the targets

Note: The proposals lacking these statements shall be summarily rejected.

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STATES/UTs	ECO RISE CHALLENGE DISTRICTS
Andhra Pradesh	Anantapur, Karimnagar, Kurnool, Nalgonda, Prakasam, Srikakulam, Vizianagaram
Bihar	Araria, Banka, Begusarai, Bhagalpur, Darbhanga, East Champaran, Gaya, Jamui, Kaimur, Katihar, Khagaria, Kishanganj, Madhepura, Madhubani, Muzaffarpur, Nalanda, Nawada, Purnia, Saharsa, Samastipur, Saran, Sheikhpura, Sheohar, Sitamarhi, Supal, West Champaran
Chhattisgarh	Bastar, Balod, Balrampur-Ramanujganj district, Bemetara, Bijapur, Dakshin Bastar (Dantewada) , Kabirdham, Kondagaon, Mungeli, Narayanpur, Sarguja, Sukma
Gujarat	Banaskantha, Dahod, Dang Devbhoomi Dwarka, Kutch, Panchmahal/Mahisagar, Patan
Haryana	Charkhi Dadri, Mahendragarh, Mewat/ Nuh, Panchkula
Jharkhand	Chatra, Deoghar, Dumka, Garhwa, Girdih, Godda, Jamtara, Khunti Latehar, Pakur, Palamu, Sahibganj, West Singhbhum
Karnataka	Chamrajnagar, Kalaburgi (Gulbarga), Kodagud, Mandya, Raichur, Shimoga, Vijayapura (Bijapur), Yadgir
Kerala	Kottayam, Alappuzha, Palghat Wayanad
Madhya Pradesh	Agar Malwa, Alirajpur, Barwani, Burhanpur, Chhatarpur, Dhar, Dindori, Guna, Jhabua, Khargone, Mandla, Panna, Rajgarh, Sheopur, Shivpuri, Sidhi, Singrauli, Tikamgarh, West Nimar,
Maharashtra	Aurangabad, Gadchiroli, Jalna, Nandurbar, Osmanabad, Parbhani, Sangli, Yavatmal
Odisha	Balasore, Balangir, Bhadrak, Gajapati, Kalahandi, Koraput, Malkangiri, Mayurbhanj, Nabarangpur, Nuapada, Rayagada
Punjab	Tarn Taran (Harike), Bhatinda, Muktsar Sahib, Mansa
Rajasthan	Banswara, Baran, Bhilwara, Bundi, Chittaurgarh, Dungarpur, Jaisalmer, Jalor, Jhalawar, Nagaur, Pratapgarh, Tonk
Tamil Nadu	Dindigul, Madurai, Rameshwaram, Salem, Tirunelveli, Tiruppur
Telangana	Adilabad, Khammam, Mahbubnagar, Medak, Nizamabad
Uttar Pradesh	Bahraich, Balrampur, Banda, Barabanki, Bareilly, Budaun, Chitrakoot, Farrukhabad, Fatehpur, Gonda, Hardoi, Jyotiba Phule Nagar, Kasganj /Kanshi Ram Nagar, Kaushambi, Kheri-Lakhimpur, Lalitpur, Maharajganj, Mahoba, Moradabad, Pilibhit, Rampur, Shahjahanpur, Shamli, Shrawasti,

	Siddharthnagar, Sitapur, Sonbhadra
West Bengal	Bankura, Birbhum, Dakshin Dinajpur, Malda, Murshidabad Puruliya, Uttar Dinajpur
NORTH EASTERN & MOUNTAINOUS STATES	
Arunachal Pradesh	Anjaw, Changlang, Changlang, Dibang Valley, East Kameng, Kurung Kumey, Lower Subansiri /Ziro, Tawang, Tirap, Upper Siang, Upper Subansiri
Assam	Baksa, Barpeta, Bongaigaon, Chirang, Darrang, Dhemaji, Dhibrugarh (Maujili), Dhubri, Hailakandi, Morigaon, Odalguri, Silchar
Himachal Pradesh	Chamba Kinnaur, Lahaul and Spiti, Sirmour
Jammu and Kashmir	Annatnag, Badgam, Bandipora, Doda, Ganderbal Kishtwar, Kulgam, Kupwara, Leh, Ramban Reasi, Shupiyan, Udhampur
Manipur	Senapati
Meghalaya	East Khasi Hills, Jaintia Hills, Garo Hills
Mizoram	Aizawl
Nagaland	Dimapur, Mon
Sikkim	East Sikkim
Tripura	Dhalai
Uttarakhand	Haridwar, Pauri Garhwal, Pithoragarh, T Garhwal, US Nagar
UNION TERRITORIES	North and Middle Andaman, Dadra and Nagar Haveli, Daman and Diu, Lakshadweep, Nicobar, Puducherry, South Andaman, South Goa

**YOUNG CHANGE MAKER'S
CHARTER
OF SCIENTIFIC TEMPER & ECOLOGICAL DUTIES**

Preamble: *We, the enlightened youth of India, do hereby solemnly affirm and dedicate ourselves to rise in love and sacrifice for humanity and uphold the values for a peaceful, harmonious and thriving natural world, and we hereby resolve that –*

Article 1: It shall be our humble and onerous endeavour & duty to stand for Ecological Integrity of our motherland.

Article 2: It shall be our commitment to our inner voice that tells us to live by scientific outlook and decide our day to day ecological responsibilities.

Article 3: It shall be our foremost ecological duty to nurture the scientific temper of ours and people of our motherland.

Article 4: It shall be our utmost care and duty to give back in greater measure to our common natural heritage than we receive from it.

Article 5: It shall be our self commanding ecological duty to create, value and preserve the resilience of our ecosystems as that alone can ensure a scientific and sustainable way of our co-existence.

Article 6: It shall be our utmost devotion to carry on the learning and living rooted in timeless traditions of eco-friendly living and valuing the harmonious ecological world order.

Article 7: It shall be our collective and individual duty to help our people meet the present and future with out ecological dis-privilege or deprivation for any one.

Article 8: It shall be our sacrosanct ecological duty to rise to mitigate and adapt to ecological upheavals wisely and with a loving conscience.

Article 9: It shall be our restorative ecological duty and scientific temper to offer ourselves to check ecological degradation and restore ecological imbalances near us and far, as much as we can.

Article 10: It shall be our missionary spirit and duty to be ever rising to the cause of rescue, rehabilitation and revival in the face of ecological disasters.

Article 11: It shall be our duty to help our people to create a 'Sustainable Society' based on the Principles of maintaining peace, overcoming poverty and creating economic equality, securing fundamental human rights, establishing democracy and freedom and conserving the Ecology and Natural Resources.

*Overall, It shall be the lifework of us all **Young Change Makers**, to be ever self sacrificing and contributing to building of scientific temper, ecological preservation and renewal so that we bequeath to future generations a better planet with healthier ecological relations.*

(Authored by Dr Pamposh Kumar & Dr Afroz Ahmad)

**ECO NEXT
YOUTH PORTFOLIO**
of
Inteerpertation & Evidence

Tagline/Motto:

- 1
- 1.1 **Name**
- 1.2 **Address**
- 1.3 **E mail**
- 1.4 **Contact No.**
- 1.5 **Career Goals**
- 1.6 **Education**
- 1.7 **Professional
Qualification/
Trainings**
- 1.8 **Work History**
- 1.9 **Achievements/Awards/
Acclaims/ Specialization**

PERSONAL

Initials of Course Coordinator

2

SELF APPRAISAL*(about 250 words)*

- | | | |
|-----|--------------------------------|--|
| | Worksheets | Candidate to work out and remove after filling in succeeding entries |
| 2.1 | Knowledge | To be filled in by the candidate |
| 2.2 | Skills | To be filled in by the candidate |
| 2.3 | Attitudes | To be filled in by the candidate |
| 2.4 | Values | To be filled in by the candidate |
| 2.5 | Personal Attributes | To be filled in by the candidate |
| 2.6 | Professional Attributes | To be filled in by the candidate |

Initials of Course Coordinator

3

APPRAISAL OF LEARNING OUTCOMES

- | | | |
|-------|--|--|
| | Worksheets | Candidate to work out and remove after filling in succeeding entries |
| 3.1 | Scientific Outlook | 1-5 Star Ratings to be filled in by the course coordinator
<i>(in words and symbols both)</i> |
| 3.2 | Method of Science | 1-5 Star Ratings to be filled in by the course coordinator
<i>(in words and symbols both)</i> |
| 3.3 | Science & Technology
Communication
Proficiency | 1-5 Star Ratings to be filled in by the course coordinator
<i>(in words and symbols both)</i> |
| 3.3.1 | Verbal | |
| 3.3.2 | Written | |
| 3.3.3 | Creative | |
| 3.4 | Learning pathways
gained
<i>(May add sub- sections)</i> | To be filled in by the course coordinator
<i>(about 50 words)</i> |
| 3.5 | Competencies
strengthened
<i>(May add sub- sections)</i> | To be filled in by the course coordinator
<i>(about 50 words)</i> |

Initials of Course Coordinator

4		APPRAISAL OF INSPIRATIONAL WORK
	Worksheets	Candidate to work out and remove after filling in succeeding entries
4.1	Evidence Capture Skills	1-5 Star Ratings to be filled in by the course coordinator <i>(in words and symbols both)</i>
4.2	Narrative Skills	1-5 Star Ratings to be filled in by the course coordinator <i>(in words and symbols both)</i>
4.2.1	Verbal	
4.2.2	Written	
4.2.3	Creative	
4.3	Torch bearing potential <i>(May add sub- sections)</i>	To be filled in by the course coordinator <i>(about 150 words)</i>
4.4	Spirit of Community mobilization/ change making <i>(May add sub- sections)</i>	To be filled in by the course coordinator <i>(about 150 words)</i>

Initials of Course Coordinator

5		DETAILED ENDORSEMENT OF ENGAGEMENT WITH ECO & WaSH SCIENCE	
	Worksheets	Candidate to work out and remove after filling in succeeding entries	
5.1	Observations and Evidences Captured (add more rows, if required)	To be filled in by the candidate	
	Day 1		
	Day 2		
	Day 3		
	Day 4		
	Day 5		
5.2	Hypothesis & Validation (add more rows, if required)	Major Hypothesis Formed	Validation / Experiments/ Hands-on-Science/ Inquiries
	Hypothesis #1	To be filled in by the candidate (about 50 words)	To be filled in by the candidate (about 50 words)
	Hypothesis #2	To be filled in by the candidate (about 50 words)	To be filled in by the candidate (about 50 words)
5.3	Conclusions & Scientific Interpretation (add more rows, if required)	Conclusions	Scientific Interpretation
	Conclusion #1	To be filled in by the candidate (about 50 words)	To be filled in by the candidate (about 100 words)
	Conclusion #2	To be filled in by the candidate (about 50 words)	To be filled in by the candidate (about 100 words)
5.4	Documentation (written, digital, photo, and other documentation)	How done? To be filled in by the candidate (about 150 words)	
5.5	Dissemination & Communication of Findings & Experiences (including feedback)	How done? To be filled in by the candidate (about 150 words)	
5.6	Goals, Readiness & Commitments for Future	To be filled in by the candidate (about 200 words)	

Initials of Course Coordinator

CERTIFICATE

*Certified that
Mr/Ms.....
S/D
actively participated in held on and
successfully engaged with activities & exercises as given in the accompanying
"Eco Next Youth Portfolio"
which demonstrates his/her preparedness, skills and strengths*

Sig. Head of the Organization

Sig. Course Coordinator

Sig. NCSTC Prog-i-C

Disclaimer: This endorsement is for motivational purposes only, and shall not be a basis for legal or any other kind of claims.